What is claimed is:

- 1. A method of controlling the production of particulates in a subterranean wellbore comprising the steps of:
- (a) preparing a permeable cement composition comprising a hydraulic cement, water, and a degradable material capable of undergoing an irreversible degradation downhole;
- (b) placing the permeable cement composition in an annulus between a screen and the walls of the well bore adjacent to a fluid producing zone; and
- (c) allowing the permeable cement composition to form a permeable cement mass in the annulus.
- 2. The method of claim 1 wherein the permeable cement composition further comprises a dispersant present in an amount sufficient to disperse the hydraulic cement and the degradable material within the permeable cement composition.
- 3. The method of claim 2 wherein the dispersant is present in the permeable cement composition in an amount ranging from about 0.1% to about 5% by weight of the permeable cement composition.
- 4. The method of claim 1 wherein the hydraulic cement comprises calcium, aluminum, silicon, oxygen, or sulfur.
- 5. The method of claim 1 wherein the hydraulic cement comprises a Portland cement, pozzolana cement, gypsum cement, high alumina content cement, silica cement, high alkalinity cement, or low-density cement.
- 6. The method of claim 1 wherein the hydraulic cement is present in the permeable cement composition in amount ranging from about 30% to about 70% by weight of the permeable cement composition.
- 7. The method of claim 1 wherein the hydraulic cement is present in the permeable cement composition in an amount ranging from about 50% to about 60% by weight of the permeable cement composition.
- 8. The method of claim 1 wherein the water is present in an amount sufficient to make the permeable cement composition a pumpable slurry.
- 9. The method of claim 1 wherein the water comprises fresh water, salt water, or brine.

- 10. The method of claim 1 wherein the water is present in an amount ranging from about 15% to about 40% by weight of the permeable cement composition.
- 11. The method of claim 1 wherein the permeable cement composition further comprises a fluid loss additive.
- 12. The method of claim 11 wherein the fluid loss additive is present in the present in the permeable cement composition in an amount ranging from about 0.1% to about 25% by weight of the permeable cement composition.
- 13. The method of claim 1 wherein the permeable cement composition is mixed on-the-fly.
- 14. The method of claim 1 further comprising before step (a) blending the permeable cement composition and transporting the permeable cement composition to the wellsite.
- 15. The method of claim 1 wherein the degradable material comprises a degradable polymer or a dehydrated salt.
- 16. The method of claim 15 wherein the degradable polymer comprises polysaccharides, chitins, chitosans, proteins, aliphatic polyesters, poly(lactides), poly(glycolides), poly(\varepsilon-caprolactones), poly(hydroxybutyrates), polyanhydrides, aliphatic polycarbonates, poly(orthoesters), poly(amino acids); poly(ethylene oxides), or polyphosphazenes.
- 17. The method of claim 14 wherein the degradable polymer further comprises a plasticizer.
- 18. The method of claim 1 wherein the degradable material comprises a stereoisomer of a poly(lactide).
- 19. The method of claim 14 wherein the dehydrated salt comprises anhydrous sodium tetraborate or anhydrous boric acid.
- 20. The method of claim 1 wherein the degradable material is present in an amount ranging from about 5% to about 70% by weight of the composition.
- 21. The method of claim 1 wherein the degradable material comprises particles having a rod-like shape.
- 22. The method of claim 1 wherein the permeable cement mass comprises channel-like voids.

23. The method of claim 1 wherein the cement is a Portland cement and present in an amount of from about 30% to about 70% by weight of the permeable cement composition; the water is fresh water and is present in an amount of from about 15% to about 40% by weight of the cement composition; and the degradable material is a poly(lactic acid) particulate present in an amount of from about 5% to about 70% by weight of the permeable cement composition.

- 24. A method of providing sand control in a subterranean formation penetrated by a well bore comprising the steps of:
- (a) providing a permeable cement composition comprising a hydraulic cement, water, and a degradable material capable of undergoing an irreversible degradation downhole;
- (b) placing the permeable cement composition into the subterranean formation by way of a well bore penetrating the formation; and
- (c) allowing the permeable cement composition to set therein to form a consolidated permeable cement mass to provide sand control.
- 25. The method of claim 24 wherein the permeable cement composition further comprises a dispersant present in an amount sufficient to disperse the hydraulic cement and the degradable material within the permeable cement composition.
- 26. The method of claim 25 wherein the dispersant is present in the permeable cement composition in an amount ranging from about 0.1% to about 5% by weight of the permeable cement composition.
- 27. The method of claim 24 wherein the hydraulic cement comprises calcium, aluminum, silicon, oxygen, or sulfur.
- 28. The method of claim 24 wherein the hydraulic cement comprises a Portland cement, pozzolana cement, gypsum cement, high alumina content cement, silica cement, high alkalinity cement, or low-density cement.
- 29. The method of claim 24 wherein the hydraulic cement is present in the permeable cement composition in amount ranging from about 30% to about 70% by weight of the permeable cement composition.
- 30. The method of claim 24 wherein the hydraulic cement is present in the permeable cement composition in an amount ranging from about 50% to about 60% by weight of the permeable cement composition.
- 31. The method of claim 24 wherein the water is present in an amount sufficient to make the permeable cement composition a pumpable slurry.
- 32. The method of claim 24 wherein the water comprises fresh water, salt water, or brine.

- 33. The method of claim 24 wherein the water is present in an amount ranging from about 15% to about 40% by weight of the permeable cement composition.
- 34. The method of claim 24 wherein the permeable cement composition further comprises a fluid loss additive.
- 35. The method of claim 34 wherein the fluid loss additive is present in the present in the permeable cement composition in an amount ranging from about 0.1% to about 25% by weight of the permeable cement composition.
- 36. The method of claim 24 wherein the permeable cement composition is mixed on-the-fly.
- 37. The method of claim 24 further comprising before step (a) blending the permeable cement composition and transporting the permeable cement composition to the wellsite.
- 38. The method of claim 24 wherein the degradable material comprises a degradable polymer or a dehydrated salt.
- 39. The method of claim 38 wherein the degradable polymer comprises polysaccharides, chitins, chitosans, proteins, aliphatic polyesters, poly(lactides), poly(glycolides), poly(ε-caprolactones), poly(hydroxybutyrates), polyanhydrides, aliphatic polycarbonates, poly(orthoesters), poly(amino acids); poly(ethylene oxides), or polyphosphazenes.
- 40. The method of claim 38 wherein the degradable polymer further comprises a plasticizer.
- 41. The method of claim 24 wherein the degradable material comprises a stereoisomer of a poly(lactide).
- 42. The method of claim 38 wherein the dehydrated salt comprises anhydrous sodium tetraborate or anhydrous boric acid.
- 43. The method of claim 24 wherein the degradable material is present in an amount ranging from about 5% to about 70% by weight of the composition.
- 44. The method of claim 24 wherein the degradable material comprises particles having a rod-like shape.
- 45. The method of claim 24 wherein the permeable cement mass comprises channel-like voids.

- 46. The method of claim 24 wherein the cement is a Portland cement and present in an amount of from about 30% to about 70% by weight of the permeable cement composition; the water is fresh water and is present in an amount of from about 15% to about 40% by weight of the cement composition; and the degradable material is a poly(lactic acid) particulate present in an amount of from about 5% to about 70% by weight of the permeable cement composition.
 - 47. The method of claim 24 wherein the wellbore comprises a sand screen.

48. A method of providing sand control in a wellbore penetrating a subterranean formation comprising the steps of:

placing a perforated shroud having perforations, the perforations being sealed by a temporary sealant, in the wellbore adjacent to a chosen subterranean interval;

providing a permeable cement composition, the permeable cement composition comprising a hydraulic cement, water, and a degradable material capable of undergoing an irreversible degradation downhole;

placing the permeable cement composition in an annulus between the perforated shroud and the chosen subterranean interval;

allowing the permeable cement composition to set to form a permeable cement mass in the annulus; and

removing the temporary sealant sealing the perforations of the perforated shroud to restore fluid communication between the well bore and the subterranean formation.

- 49. The method of claim 48 wherein the degradable material comprises a degradable polymer or a dehydrated salt.
- 50. The method of claim 49 wherein the degradable polymer comprises polysaccharides, chitins, chitosans, proteins, aliphatic polyesters, poly(lactides), poly(glycolides), poly(ε-caprolactones), poly(hydroxybutyrates), polyanhydrides, aliphatic polycarbonates, poly(orthoesters), poly(amino acids); poly(ethylene oxides), or polyphosphazenes.
- 51. The method of claim 49 wherein the degradable polymer further comprises a plasticizer.
- 52. The method of claim 48 wherein the degradable material comprises a stereoisomer of a poly(lactide).
- 53. The method of claim 49 wherein the dehydrated salt comprises anhydrous sodium tetraborate or anhydrous boric acid.
- 54. The method of claim 48 wherein the degradable material is present in an amount ranging from about 5% to about 70% by weight of the composition.
- 55. The method of claim 48 wherein the degradable material comprises particles having a rod-like shape.

56. The method of claim 48 wherein the permeable cement mass comprises channel-like voids.

- 57. A permeable cement composition for forming a permeable cement mass for use in subterranean sand control operations comprising:
 - (a) a hydraulic cement;
 - (b) water,
- (c) and a degradable material capable of undergoing an irreversible degradation downhole.
- 58. The composition of claim 57 wherein the permeable cement composition further comprises a dispersant present in an amount sufficient to disperse the hydraulic cement and the degradable material within the permeable cement composition.
- 59. The composition of claim 58 wherein the dispersant is present in the permeable cement composition in an amount ranging from about 0.1% to about 5% by weight of the permeable cement composition.
- 60. The composition of claim 57 wherein the hydraulic cement comprises calcium, aluminum, silicon, oxygen, or sulfur.
- 61. The composition of claim 57 wherein the hydraulic cement comprises a Portland cement, pozzolana cement, gypsum cement, high alumina content cement, silica cement, high alkalinity cement, or low-density cement.
- 62. The composition of claim 57 wherein the hydraulic cement is present in the permeable cement composition in amount ranging from about 30% to about 70% by weight of the permeable cement composition.
- 63. The composition of claim 57 wherein the hydraulic cement is present in the permeable cement composition in an amount ranging from about 50% to about 60% by weight of the permeable cement composition.
- 64. The composition of claim 57 wherein the water is present in an amount sufficient to make the permeable cement composition a pumpable slurry.
- 65. The composition of claim 57 wherein the water comprises fresh water, salt water, or brine.
- 66. The composition of claim 57 wherein the water is present in an amount ranging from about 15% to about 40% by weight of the permeable cement composition.
- 67. The composition of claim 57 wherein the permeable cement composition further comprises a fluid loss additive.

- 68. The composition of claim 57 wherein the fluid loss additive is present in the present in the permeable cement composition in an amount ranging from about 0.1% to about 25% by weight of the permeable cement composition.
- 69. The composition of claim 57 wherein the permeable cement composition is mixed on-the-fly.
- 70. The composition of claim 57 further comprising before step (a) blending the permeable cement composition and transporting the permeable cement composition to the wellsite.
- 71. The composition of claim 57 wherein the degradable material comprises a degradable polymer or a dehydrated salt.
- 72. The composition of claim 71 wherein the degradable polymer comprises polysaccharides, chitins, chitosans, proteins, aliphatic polyesters, poly(lactides), poly(glycolides), poly(ϵ -caprolactones), poly(hydroxybutyrates), polyanhydrides, aliphatic polycarbonates, poly(orthoesters), poly(amino acids); poly(ethylene oxides), or polyphosphazenes.
- 73. The composition of claim 71 wherein the degradable polymer further comprises a plasticizer.
- 74. The composition of claim 57 wherein the degradable material comprises a stereoisomer of a poly(lactide).
- 75. The composition of claim 71 wherein the dehydrated salt comprises anhydrous sodium tetraborate or anhydrous boric acid.
- 76. The composition of claim 57 wherein the degradable material is present in an amount ranging from about 5% to about 70% by weight of the composition.
- 77. The composition of claim 57 wherein the degradable material comprises particles having a rod-like shape.
- 78. The composition of claim 57 wherein the cement is a Portland cement and present in an amount of from about 30% to about 70% by weight of the permeable cement composition; the water is fresh water and is present in an amount of from about 15% to about 40% by weight of the cement composition; and the degradable material is a poly(lactic acid) particulate present in an amount of from about 5% to about 70% by weight of the permeable cement composition.

- 79. A permeable cement mass useful in well bores penetrating a subterranean formation as a sand control means having voids created by a degradation of a degradable material.
- 80. The composition of claim 79 wherein the degradable material comprises a degradable polymer or a dehydrated salt.
- 81. The composition of claim 80 wherein the degradable polymer comprises polysaccharides, chitins, chitosans, proteins, aliphatic polyesters, poly(lactides), poly(glycolides), poly(\varepsilon-caprolactones), poly(hydroxybutyrates), polyanhydrides, aliphatic polycarbonates, poly(orthoesters), poly(amino acids); poly(ethylene oxides), or polyphosphazenes.
- 82. The composition of claim 80 wherein the degradable polymer further comprises a plasticizer.
- 83. The composition of claim 79 wherein the degradable material comprises a stereoisomer of a poly(lactide).
- 84. The composition of claim 80 wherein the dehydrated salt comprises anhydrous sodium tetraborate or anhydrous boric acid.
- 85. The composition of claim 79 wherein the degradable material is present in an amount ranging from about 5% to about 70% by weight of the composition.